

# INTERNATIONAL SEARCH REPORT

International Application No  
PCT/EP2004/053318

**A. CLASSIFICATION OF SUBJECT MATTER**  
IPC 7 H04J3/08 H04J3/16

According to International Patent Classification (IPC) or to both national classification and IPC

**B. FIELDS SEARCHED**

Minimum documentation searched (classification system followed by classification symbols)  
IPC 7 H04J H04L

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal

**C. DOCUMENTS CONSIDERED TO BE RELEVANT**

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	"TYPES AND CHARACTERISTICS OF SDH NETWORK PROTECTION ARCHITECTURES" ITU-T TELECOMMUNICATION STANDARIZATION SECTOR OF ITU, GENEVA, CH, 10 July 1995 (1995-07-10), pages A-B, I-III, 1-, XP000672074 paragraph '0008!	1,6
A	US 2002/141332 A1 (NATTKEMPER DIETER ET AL) 3 October 2002 (2002-10-03) abstract	1-7
A	US 6 295 146 B1 (FEE JOHN A ET AL) 25 September 2001 (2001-09-25) abstract	1-7
A	US 6 163 526 A (EGOSHI HIROYA) 19 December 2000 (2000-12-19) abstract	1-7

☐ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

\* Special categories of cited documents:

- \*A\* document defining the general state of the art which is not considered to be of particular relevance
- \*E\* earlier document but published on or after the international filing date
- \*L\* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- \*O\* document referring to an oral disclosure, use, exhibition or other means
- \*P\* document published prior to the international filing date but later than the priority date claimed

- \*T\* later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
- \*X\* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- \*Y\* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art
- \*Z\* document member of the same patent family

Date of the actual completion of the international search

21 January 2005

Date of mailing of the international search report

07/02/2005

Name and mailing address of the ISA

European Patent Office, P.B. 5818 Patentlaan 2  
NL - 2280 HV Rijswijk  
Tel. (+31-70) 340-2040, Tx. 31 651 epo nl,  
Fax: (+31-70) 340-3016

Authorized officer

Bernardini, A

# INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No  
PCT/EP2004/053318

Patent document cited in search report		Publication date		Patent family member(s)	Publication date
US 2002141332	A1	03-10-2002	CN	1426178 A	25-06-2003
			EP	1229677 A2	07-08-2002
US 6295146	B1	25-09-2001	CA	2318044 A1	22-07-1999
			EP	1048133 A1	02-11-2000
			JP	2002510159 T	02-04-2002
			WO	9937042 A1	22-07-1999
US 6163526	A	19-12-2000	JP	11112389 A	23-04-1999